User Manual

HUND (Hang Up ‘N Drive)

“Let’s save lives..”

Contents

What is the Hang Up ‘N Drive Memorial Wall? 3

Despite all the efforts and current awareness campaigns the rate of texting while driving accidents is on the increase. So it is clear that current education does not work and the following information below paints the picture clearer. The National Safety Council “Fact Sheet” reports: ... 4

Operating Environment 7

System Architecture 8

Database Architecture 9

Registration for New Account 10

Incidents 14

What is the Hang Up 'N Drive Memorial Wall?

Project Goals

The main goal of this project is to save lives through education and awareness. Specifically we want to promote better driving safety habits as it pertains to public awareness of the dangers of interacting with mobile phones while driving. We plan to develop a visually engaging and immersive experience that will be accessed via the web. The interface would be fully functional via regular desktop browsers, but also touch friendly for devices that support such functionality. In addition we would like to have our interface also aid handicapped individuals to receive the same information value as their regular counterparts.

In our efforts to promote and support these driving safety messages the team will develop a platform that allows content – text (stories), video, and pictures –to be easily submitted for us to package and present. The platform would also support charitable initiatives that would help channel funds to individuals and families who have been negatively impacted by motor vehicle crashes associated with talking (or texting) on cell phones while driving. We will also be involved in helping other organizations whose goal is to promote better driving awareness.

We center our platform on the following pillars:

- Save lives through education
- Fund raising to support awareness and sponsor the affected
- Curate stories and information
- Provide equal information value across all people.

Platform Features

- **Story Content Management System**
  - Text Input
  - Media Upload (Audio, Video)
  - Licensing & Approval
- **Interactive Interface with Full Touch Support**
  - Full Regular Desktop Support
  - Full Touch support for Tablet, Touch Screen Devices
- **Handicap Support**

Motivation

Despite all the efforts and current awareness campaigns the rate of texting while driving accidents is on the increase. So it is clear that current education does not work and the following information below paints the picture clearer. The National Safety Council "Fact Sheet" reports:

- Drivers who use cell phones are four times more likely to be in a crash while using a cell phone. (1997 New England Journal of Medicine examination of hospital records and 2005 Insurance Institute for Highway Safety study linking crashes to cell phone records).
- Cell phone use contributes to an estimated 6% of all crashes, which equates to 636,000 crashes, 330,000 injuries, 12,000 serious injuries and 2,600 deaths each year. (Harvard Center of Risk Analysis).
- It is estimated that more than 100 million people use cell phones while driving. (CTIA – The Wireless Association reports 270 million cell phone subscribers. A Nationwide Insurance public opinion poll showed 81 percent of the public admit to talking on a cell phone while driving).
- The annual cost of crashes caused by cell phone use is estimated to be $43 billion (Harvard Center for Risk Analysis).

Also we have our adults that are passing on this information to their children doing the same thing i.e. "do as I say, not as I do," which we know does not work especially in the teenage demographic in addition to the fact that adults and children do not generally see eye to eye. So we want to come in and catch the attention of current and potential offenders which encompass the intersection of mobile (present & future) phone owners that have or will have access to automobiles.

Technical Challenges

- **iPhone / iPad:** One of the downsides to Safari for iOS is that the built-in, Apple-developed application doesn't allow users to upload content from an iPhone to a website. It's already possible to upload content from within iOS applications (like pictures and videos). However, in Safari for iOS it's not possible to upload files to a website featuring a big old "Upload" button. This is because Apple has blocked the ability to do this in the built-in Safari app. In summary file uploads and File API are disabled in Safari on iOS.
- **Cross Device Compatibility:** This issue comes into play when key features such as the upload feature via web form that does not work on only iOS Devices arise. This may force us to come up with custom solutions for each device or operating system to support certain key functions.
- **Visualization:** The issue comes into play since we want to make an impact and with all the data we are going to gather our impact and success of delivery rests solely on

how well our visualization conveys the data we gather. If this aspect fails we have to go back to the drawing board.

HANG UP 'N DRIVE

Operating Environment

Web Server: apache 2.2.14 with mod_php5, mod_rewrite

Operating System: Ubuntu 10.04 LTS Kernel 2.6.32-40

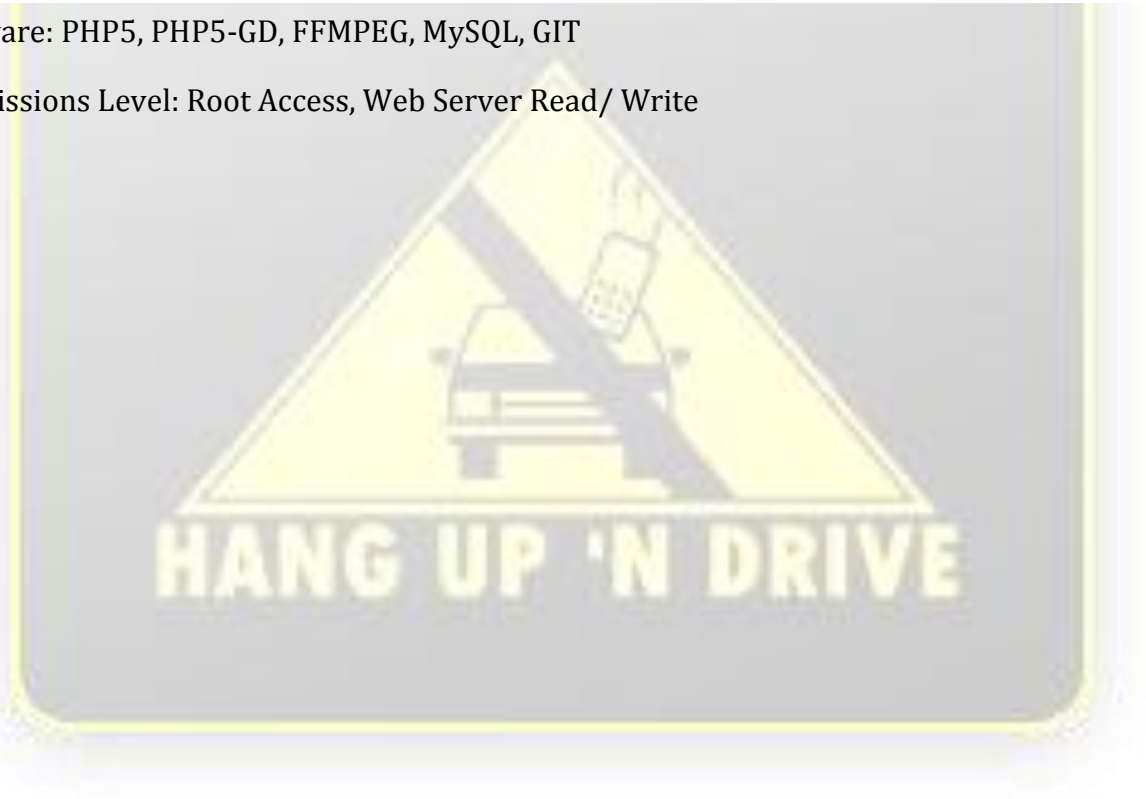
Processor: Intel Quad Core 3.0 GHz

RAM: 2 GB

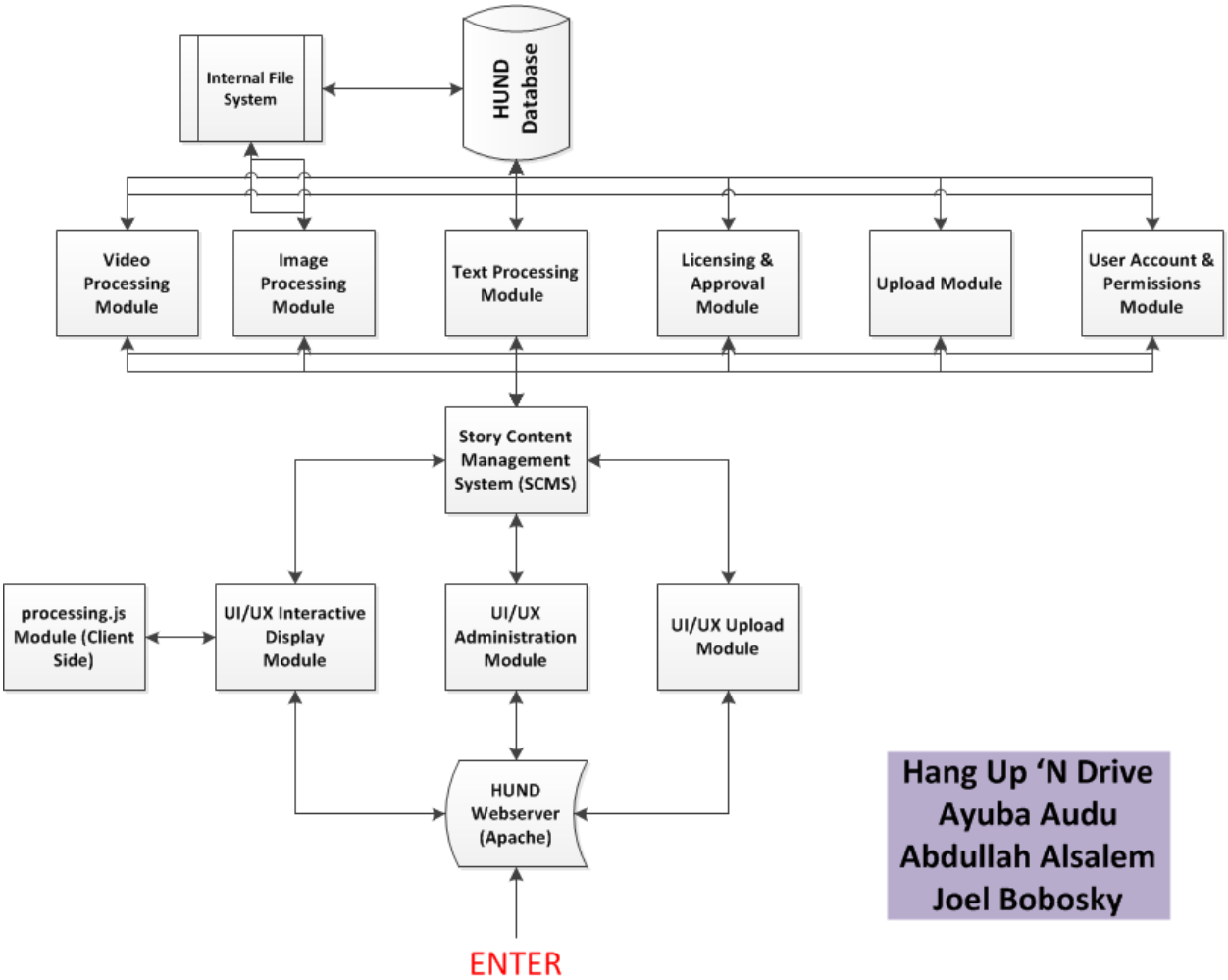
Hard Disk: >=5 GB

Software: PHP5, PHP5-GD, FFMPEG, MySQL, GIT

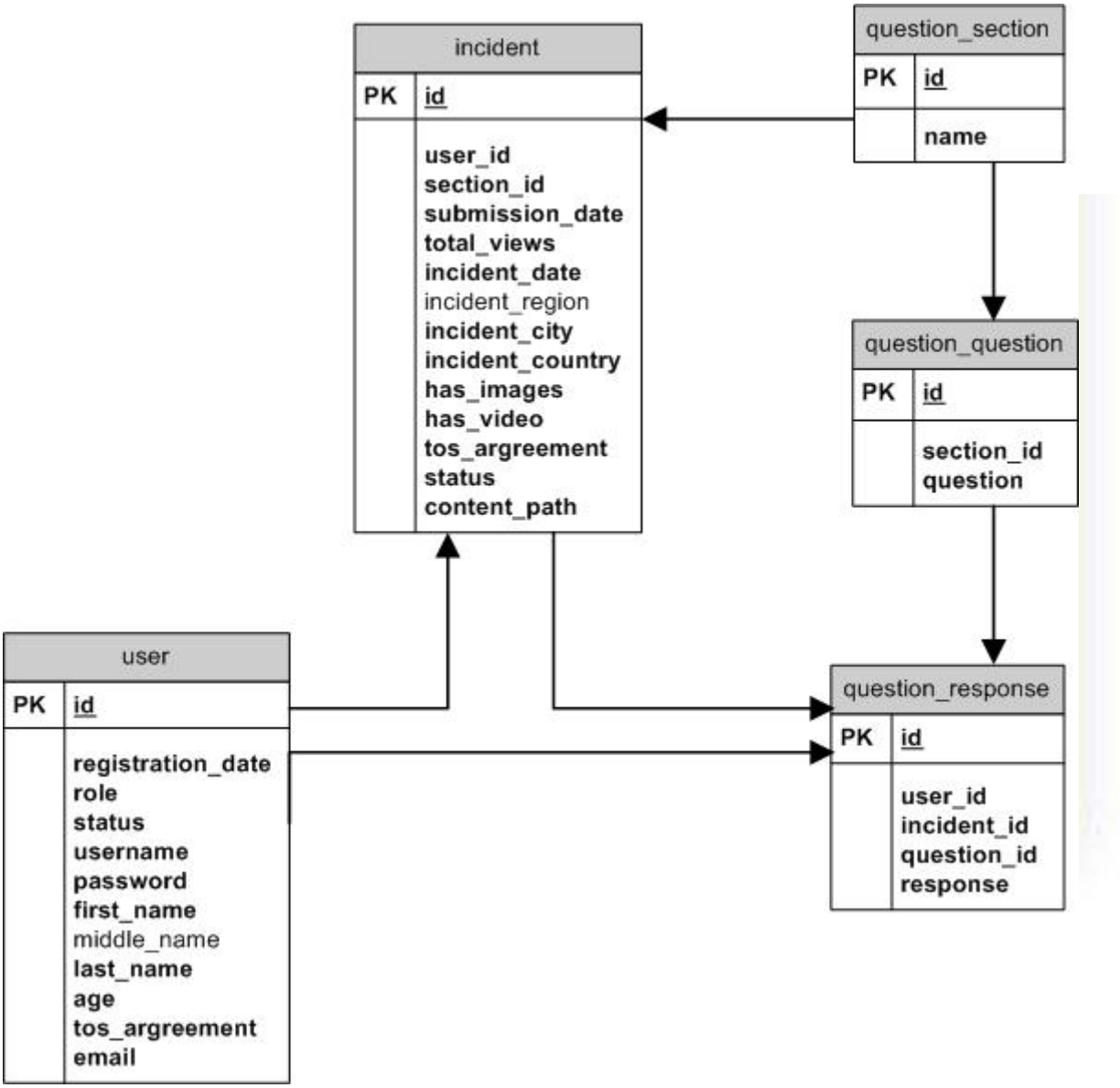
Permissions Level: Root Access, Web Server Read/ Write



System Architecture

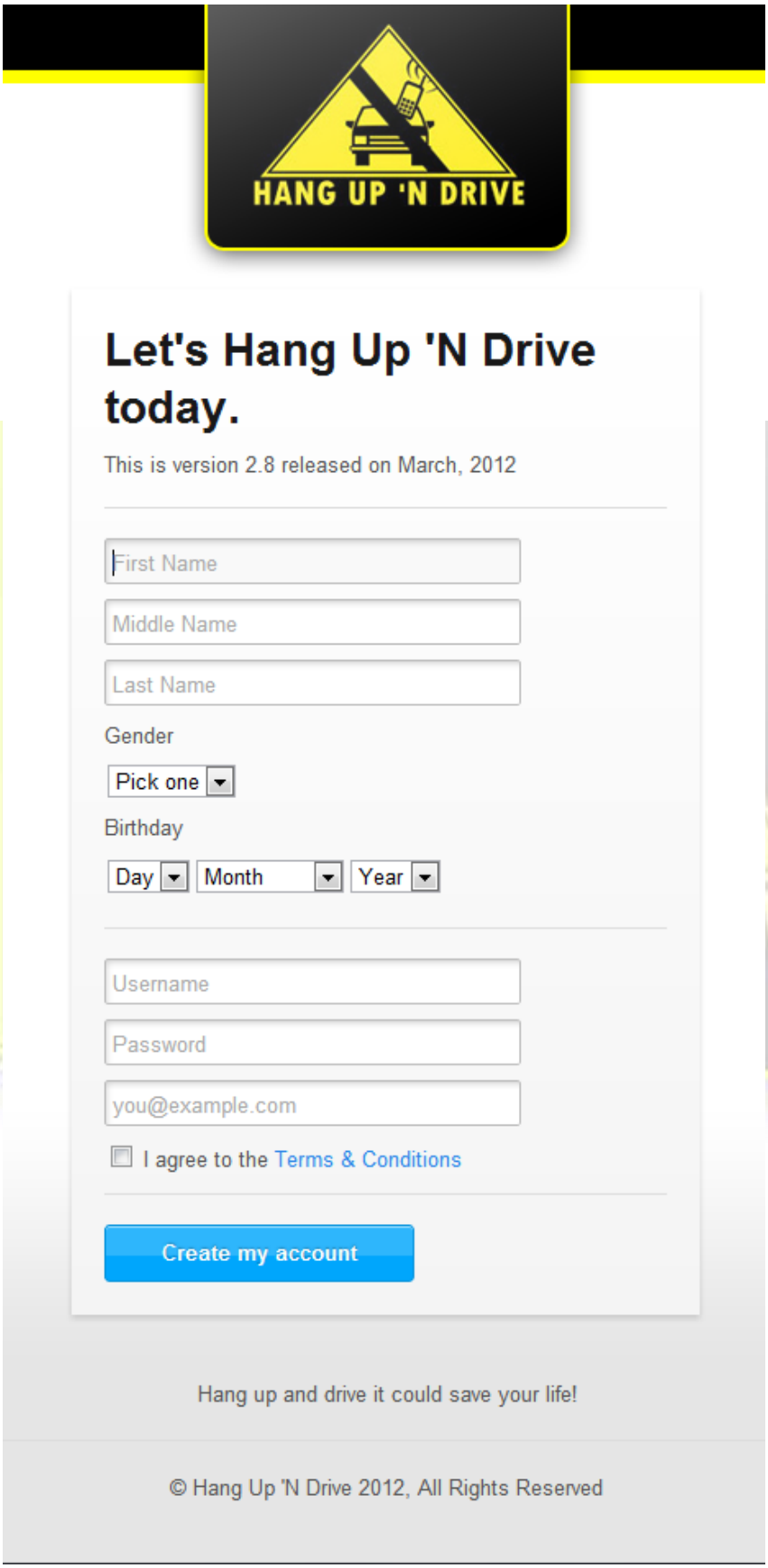


Database Architecture

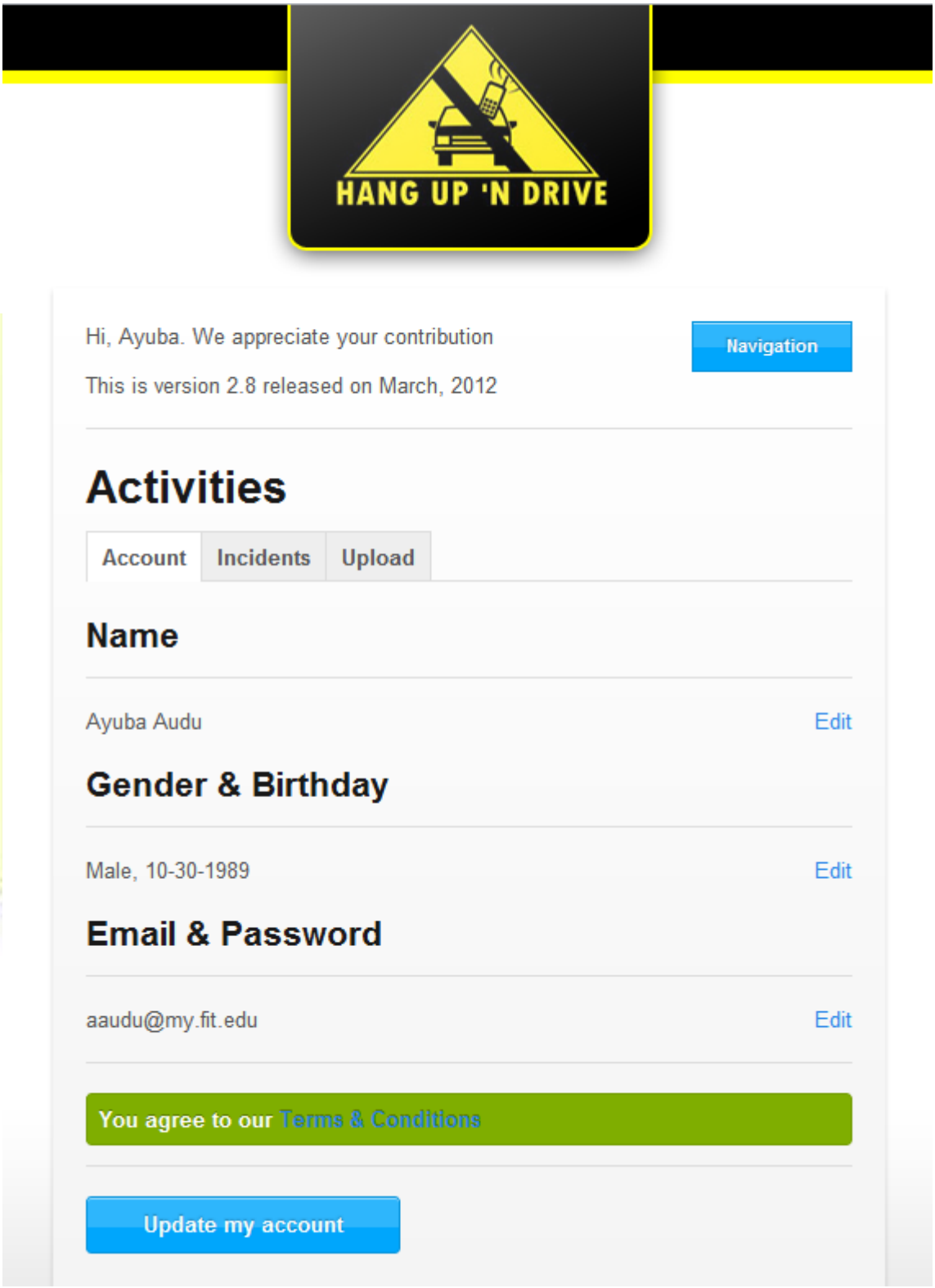


Registration for New Account

1. Navigate to http://hundmemorialwall.org/dev/signup


HANG UP 'N DRIVE
Let's Hang Up 'N Drive today.
This is version 2.8 released on March, 2012
First Name
Middle Name
Last Name
Gender
Pick one
Birthday
Day
Month
Year
Username
Password
you@example.com
I agree to the Terms & Conditions
Create my account
Hang up and drive it could save your life!
© Hang Up 'N Drive 2012, All Rights Reserved

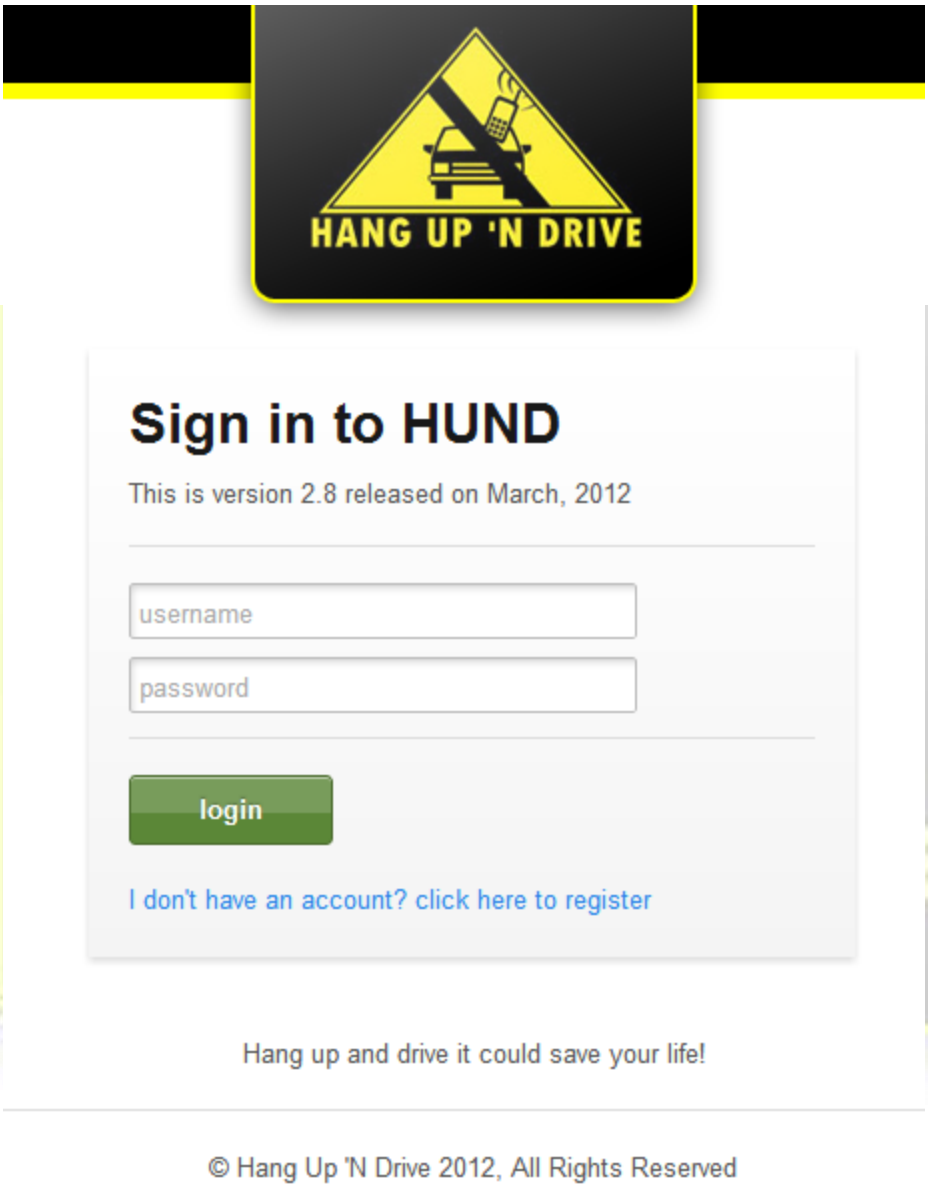
2. Fill out all fields and hit the “Create my account” button.
3. You will be redirected to your account



Incidents

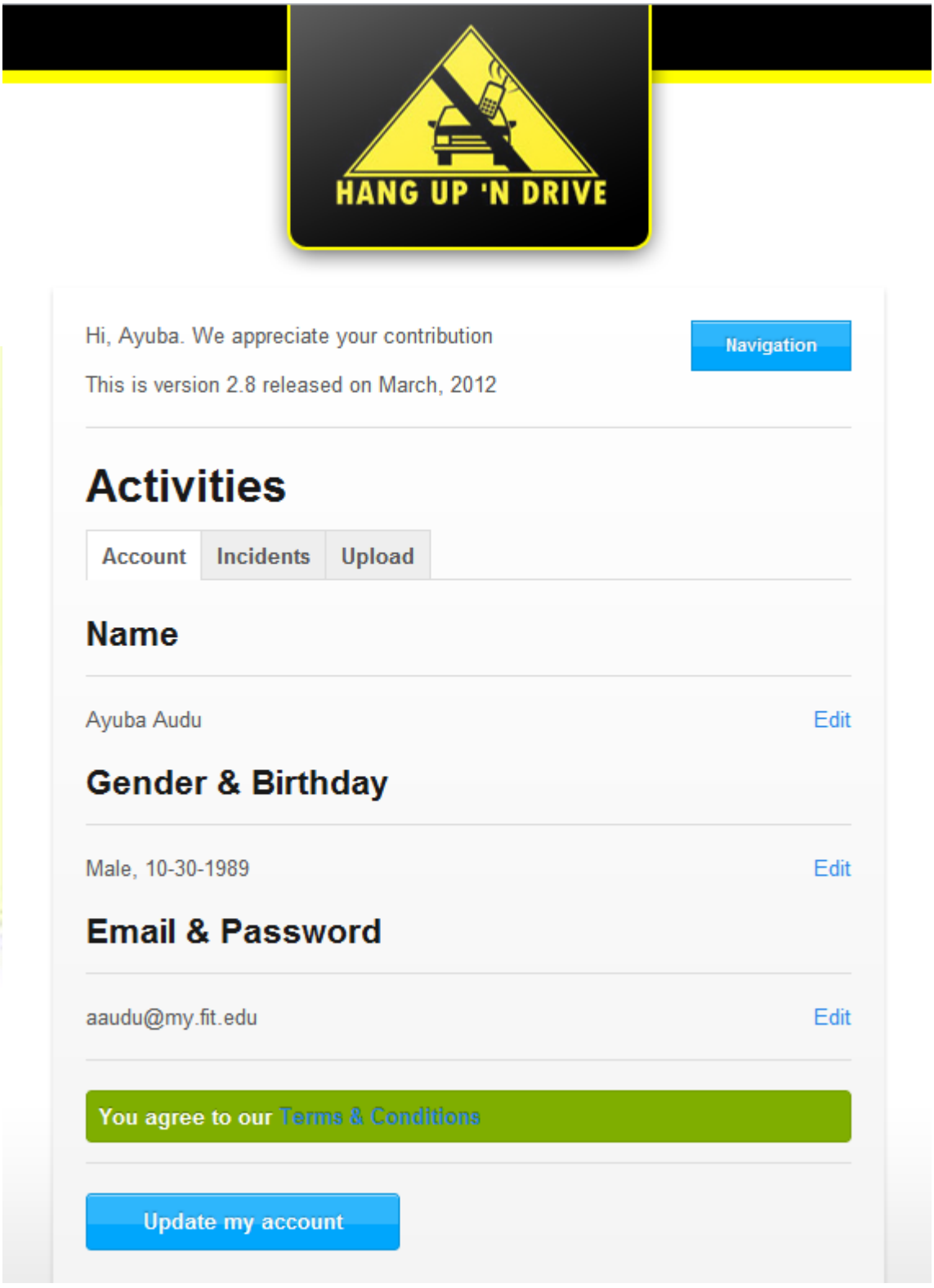
View Submitted Incidents

1. Navigate to http://hundmemorialwall.org/login


HANG UP 'N DRIVE
Sign in to HUND
This is version 2.8 released on March, 2012
username
password
login
I don't have an account? click here to register
Hang up and drive it could save your life!
© Hang Up 'N Drive 2012, All Rights Reserved

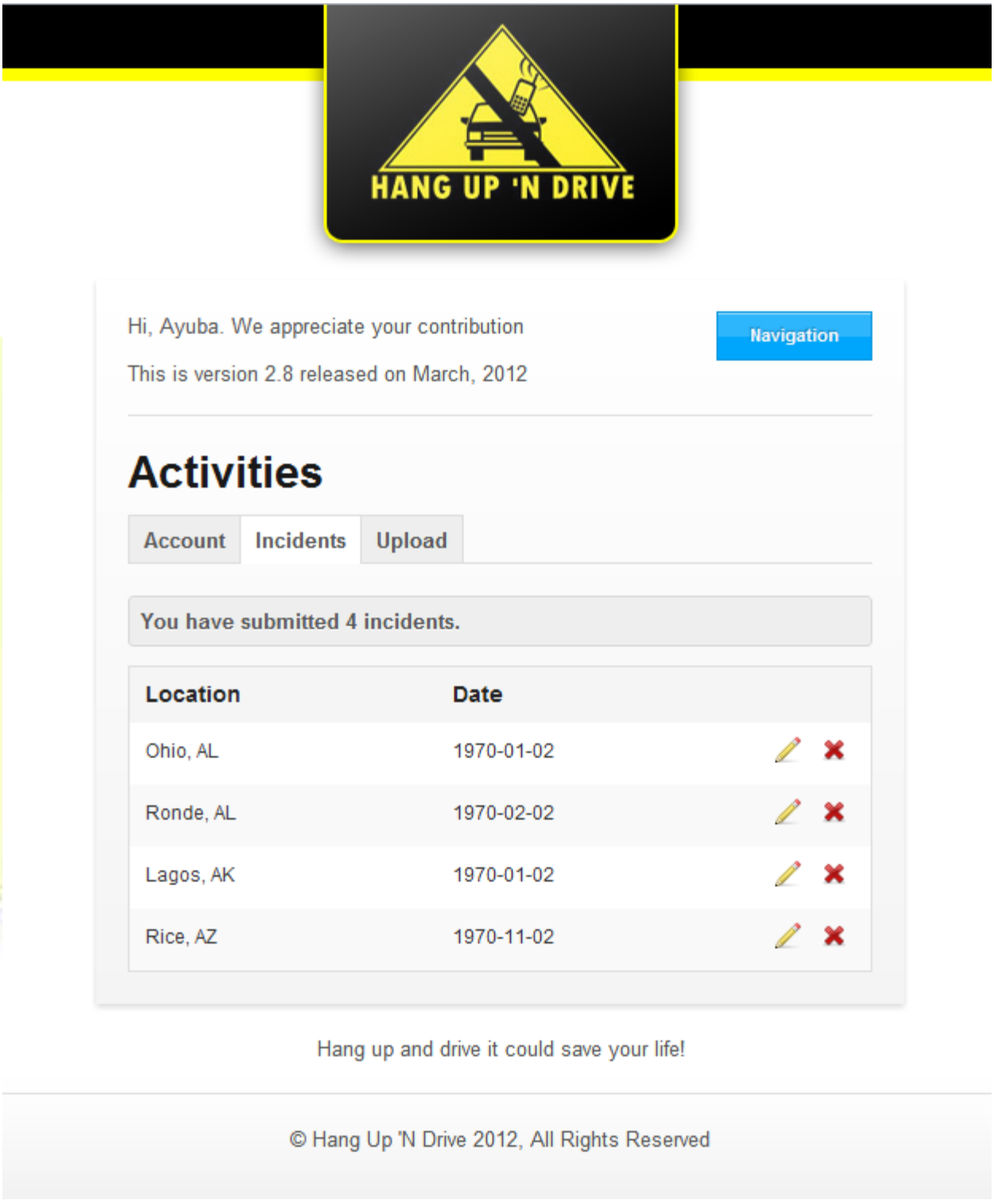
2. Fill out your credentials and hit ”login”

3. You will be redirected to your account



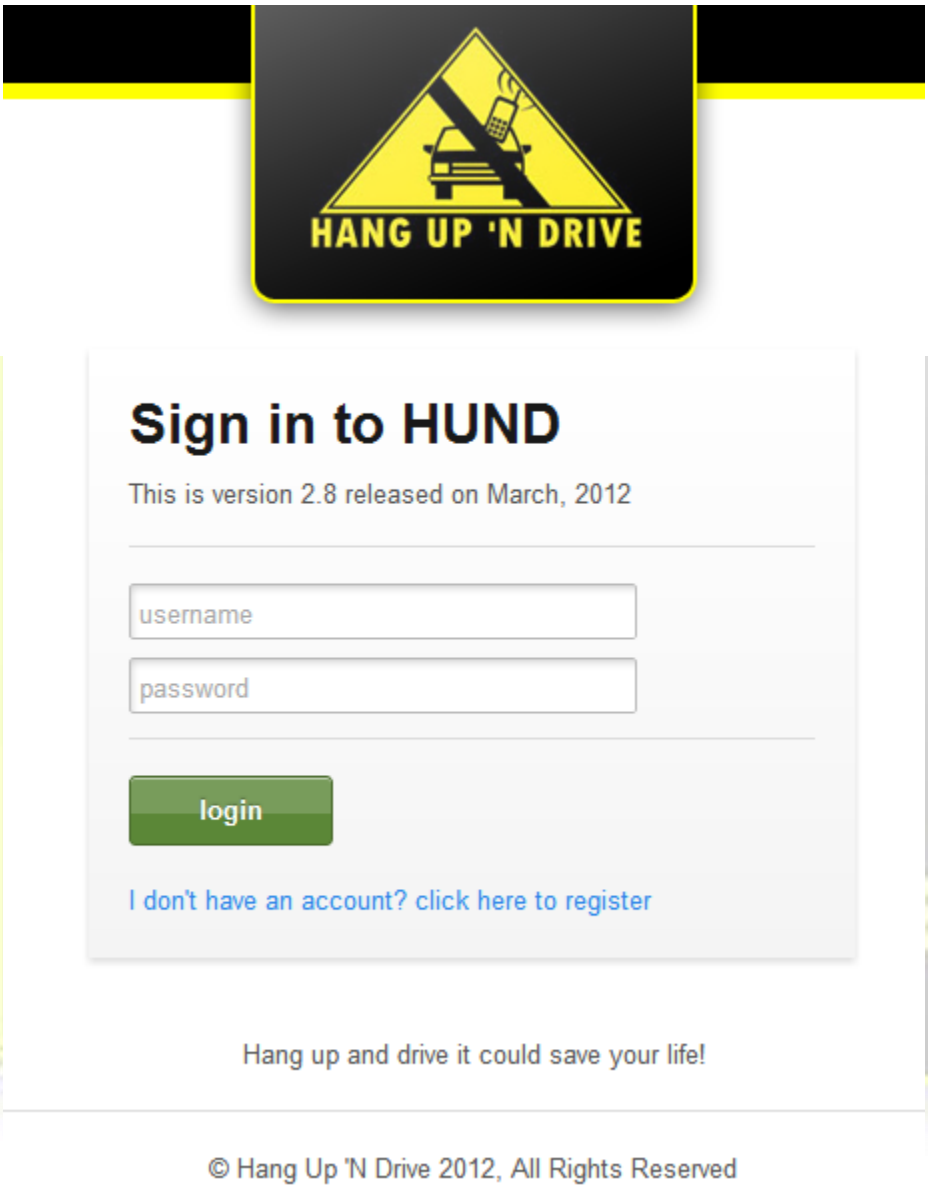
4. Click the tab that says “Incidents”

5. The view should now show you the incidents you have submitted.



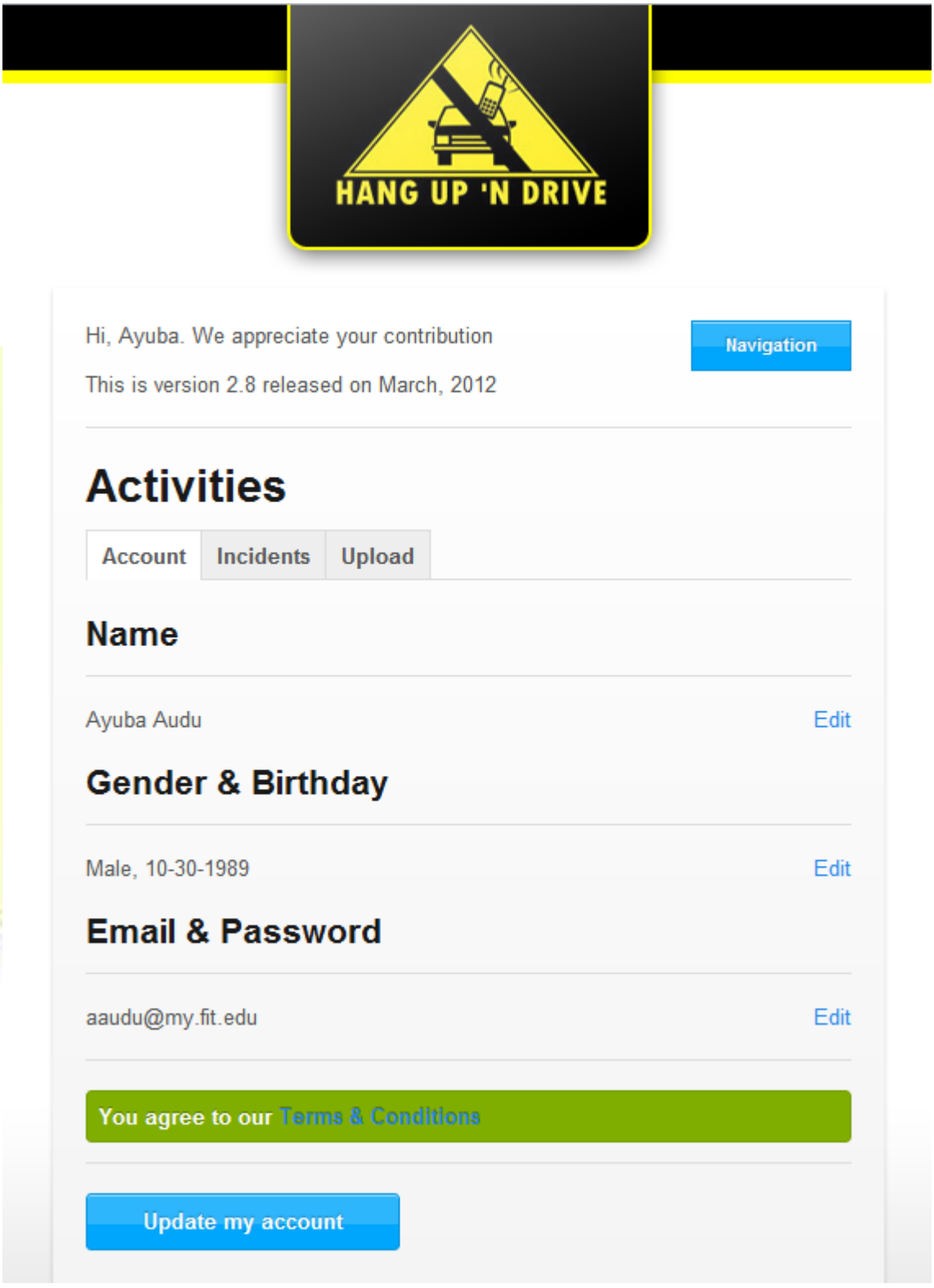
Editing Submitted Incidents

1. Navigate to http://hundmemorialwall.org/login


HANG UP 'N DRIVE
Sign in to HUND
This is version 2.8 released on March, 2012
username
password
login
I don't have an account? click here to register
Hang up and drive it could save your life!
© Hang Up 'N Drive 2012, All Rights Reserved

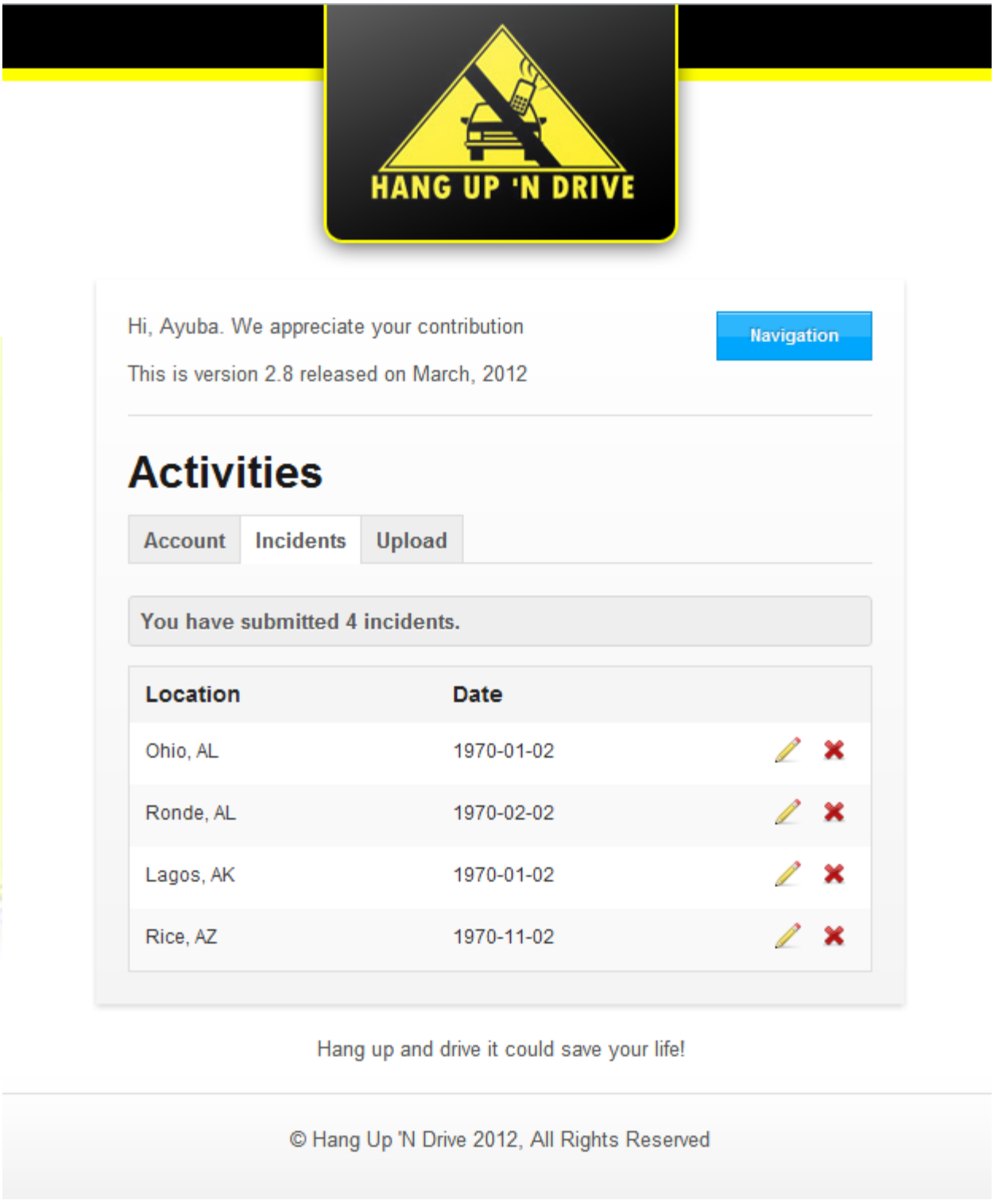
2. Fill out your credentials and hit ”login”

3. You will be redirected to your account

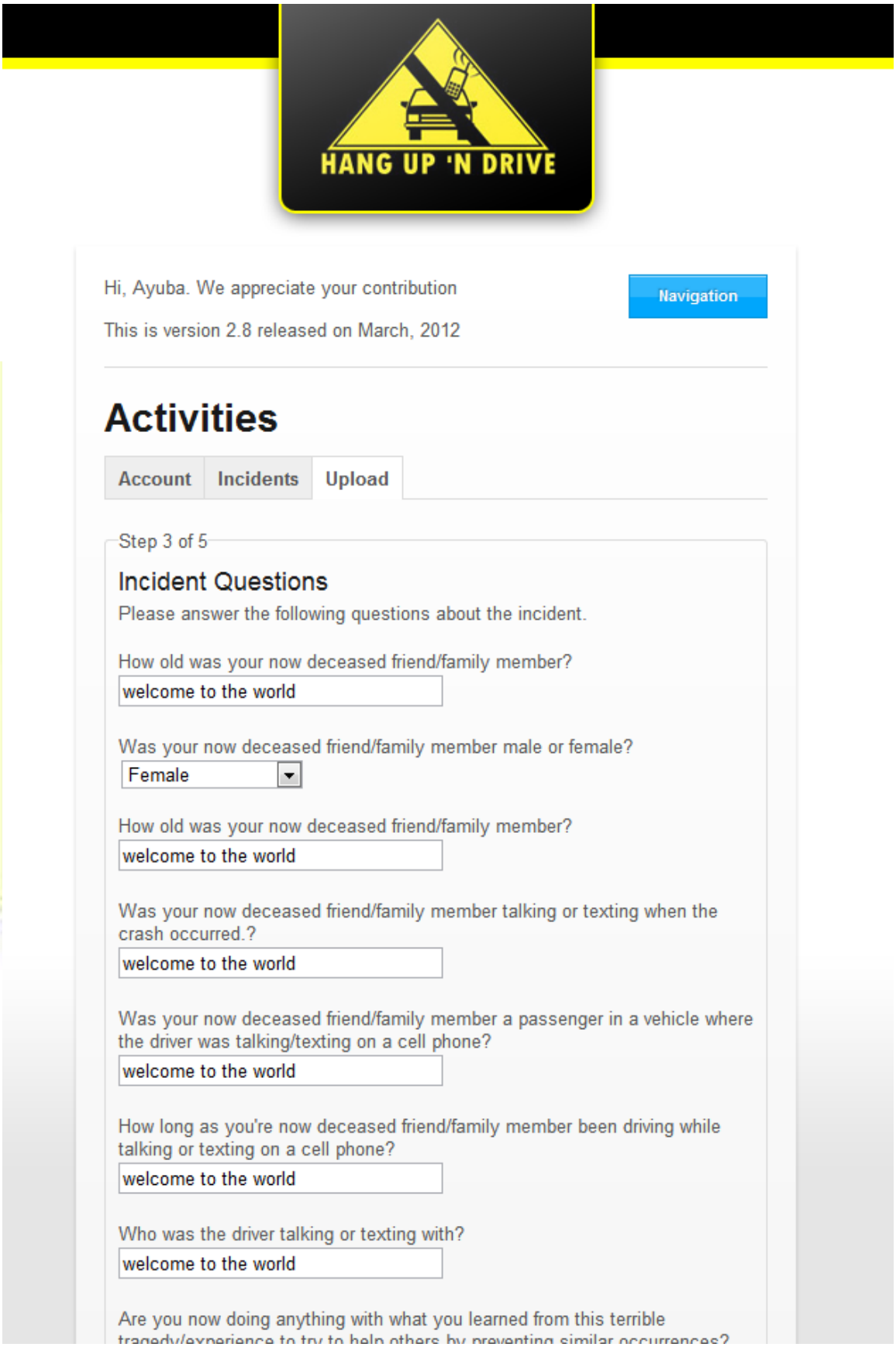


4. Click the tab that says “Incidents”

5. The view should now show you the incidents you have submitted.



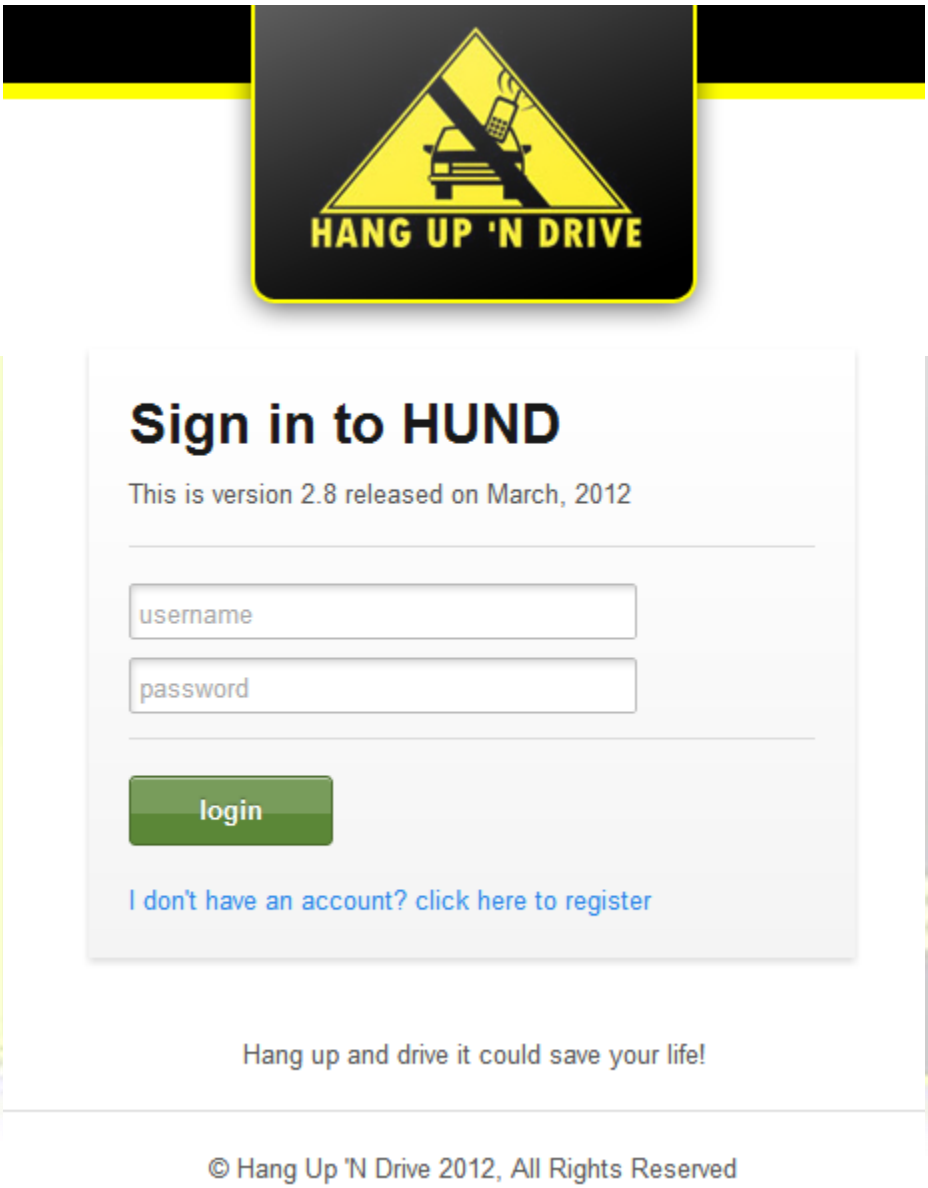
6. Click the pencil icon and the incident will be opened for you to edit in the “Upload” view


HANG UP 'N DRIVE
Hi, Ayuba. We appreciate your contribution
Navigation
This is version 2.8 released on March, 2012
Activities
Account
Incidents
Upload
Step 3 of 5
Incident Questions
Please answer the following questions about the incident.
How old was your now deceased friend/family member?
welcome to the world
Was your now deceased friend/family member male or female?
Female
How old was your now deceased friend/family member?
welcome to the world
Was your now deceased friend/family member talking or texting when the crash occurred.?
welcome to the world
Was your now deceased friend/family member a passenger in a vehicle where the driver was talking/texting on a cell phone?
welcome to the world
How long as you're now deceased friend/family member been driving while talking or texting on a cell phone?
welcome to the world
Who was the driver talking or texting with?
welcome to the world
Are you now doing anything with what you learned from this terrible

7. Wall through any changes you want to make clicking on “next” until you get to the last page when you click “submit”

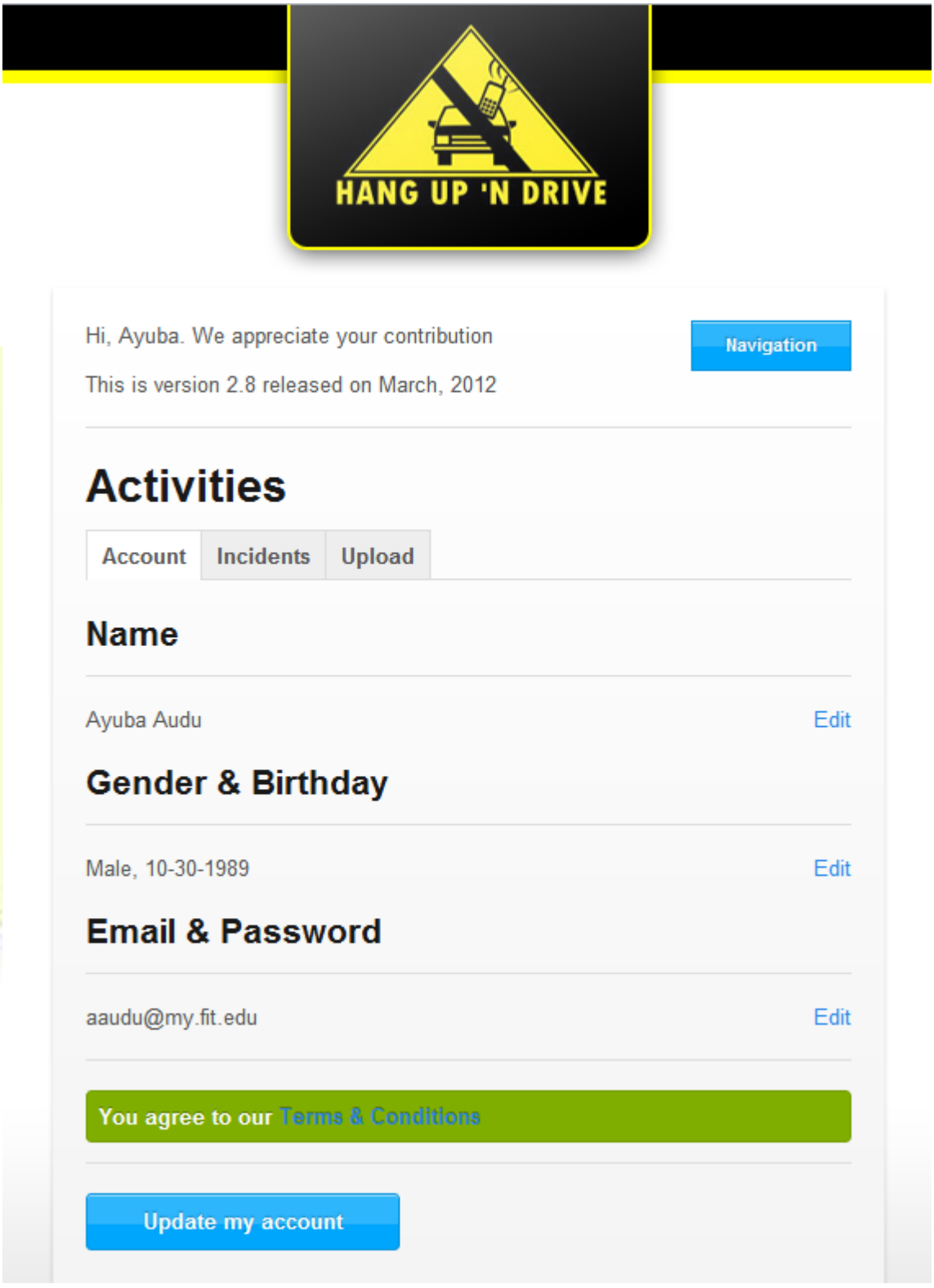
Deleting Incidents

1. Navigate to http://hundmemorialwall.org/login


HANG UP 'N DRIVE
Sign in to HUND
This is version 2.8 released on March, 2012
username
password
login
I don't have an account? click here to register
Hang up and drive it could save your life!
© Hang Up 'N Drive 2012, All Rights Reserved

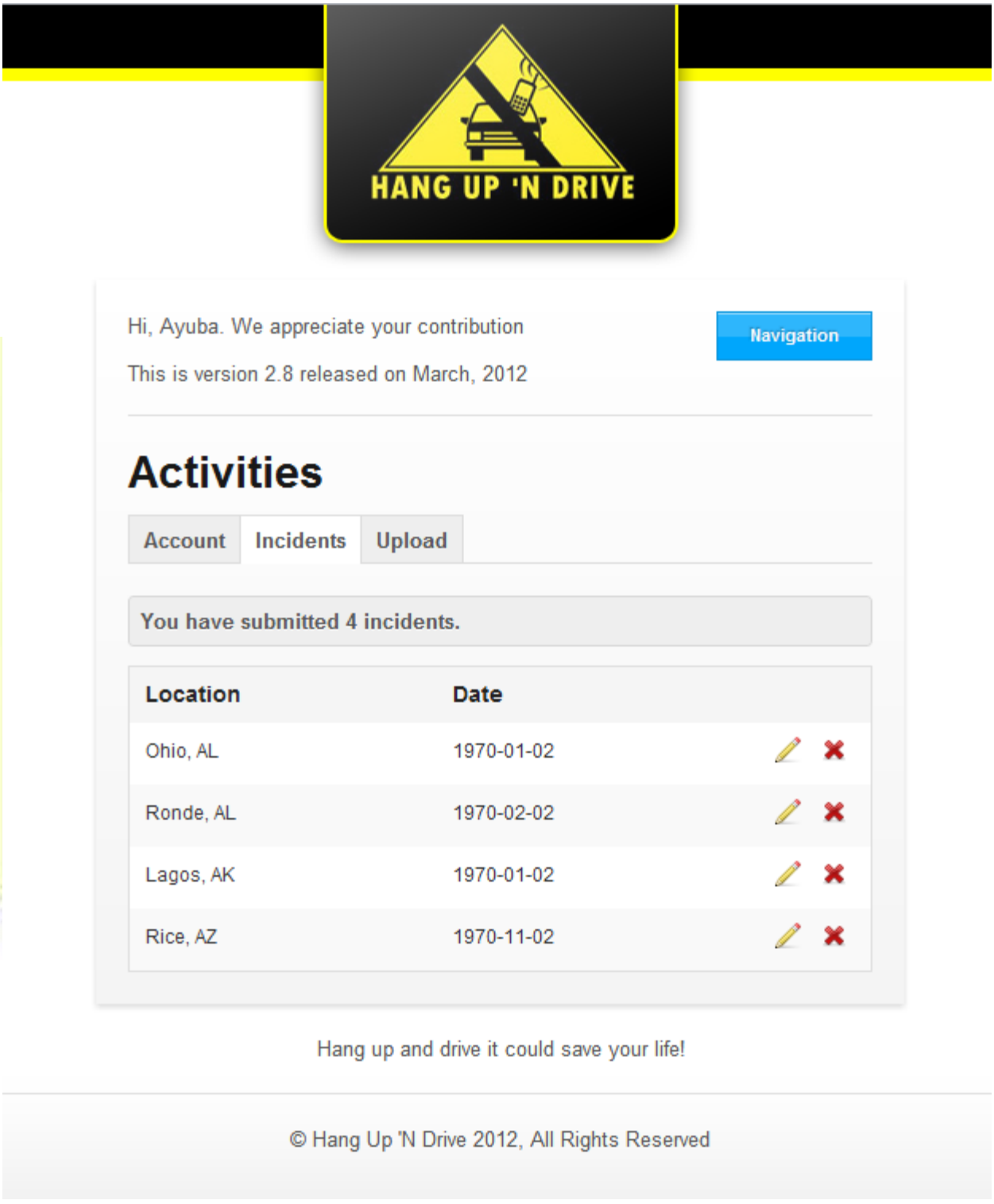
2. Fill out your credentials and hit ”login”

3. You will be redirected to your account



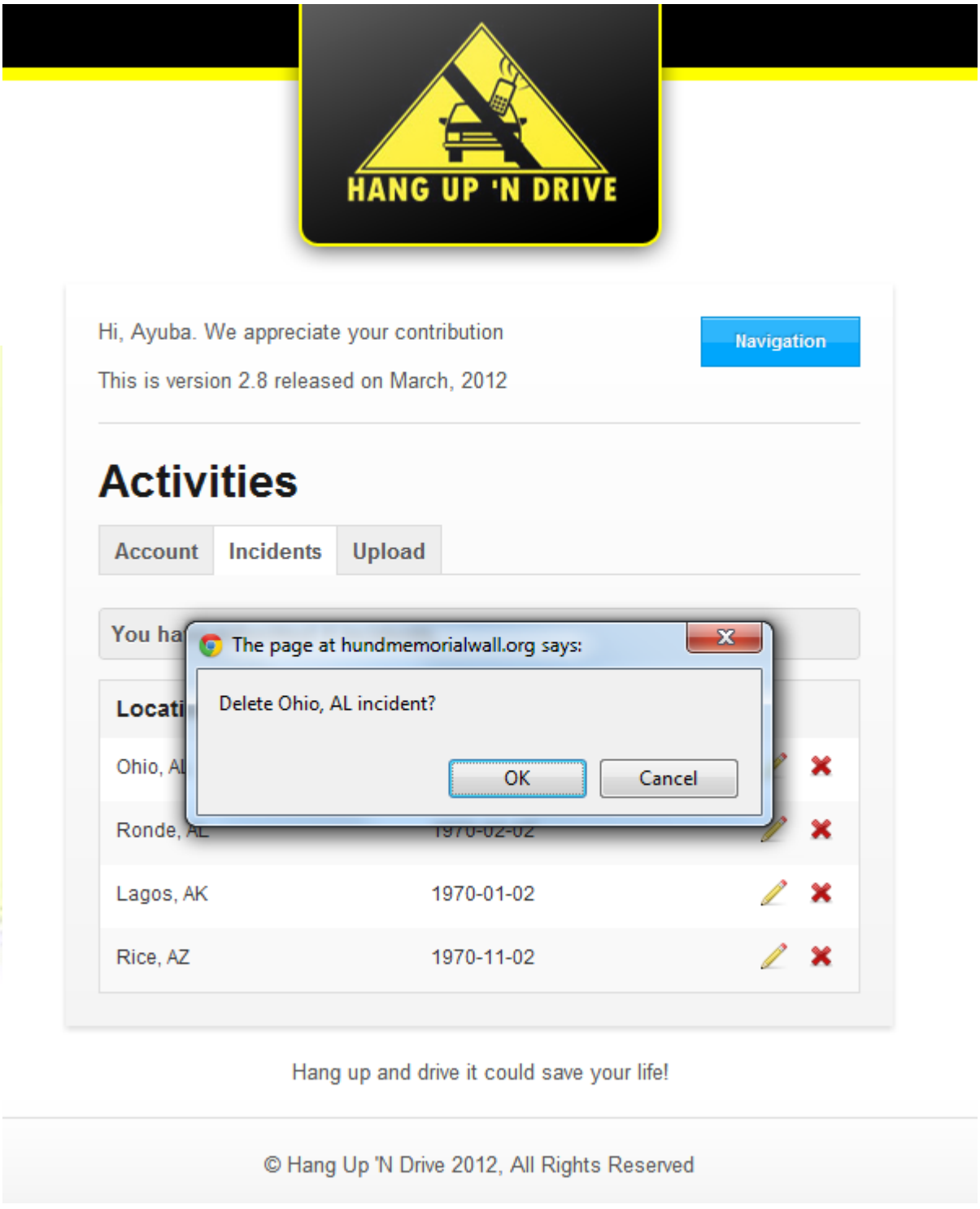
4. Click the tab that says “Incidents”

5. The view should now show you the incidents you have submitted.

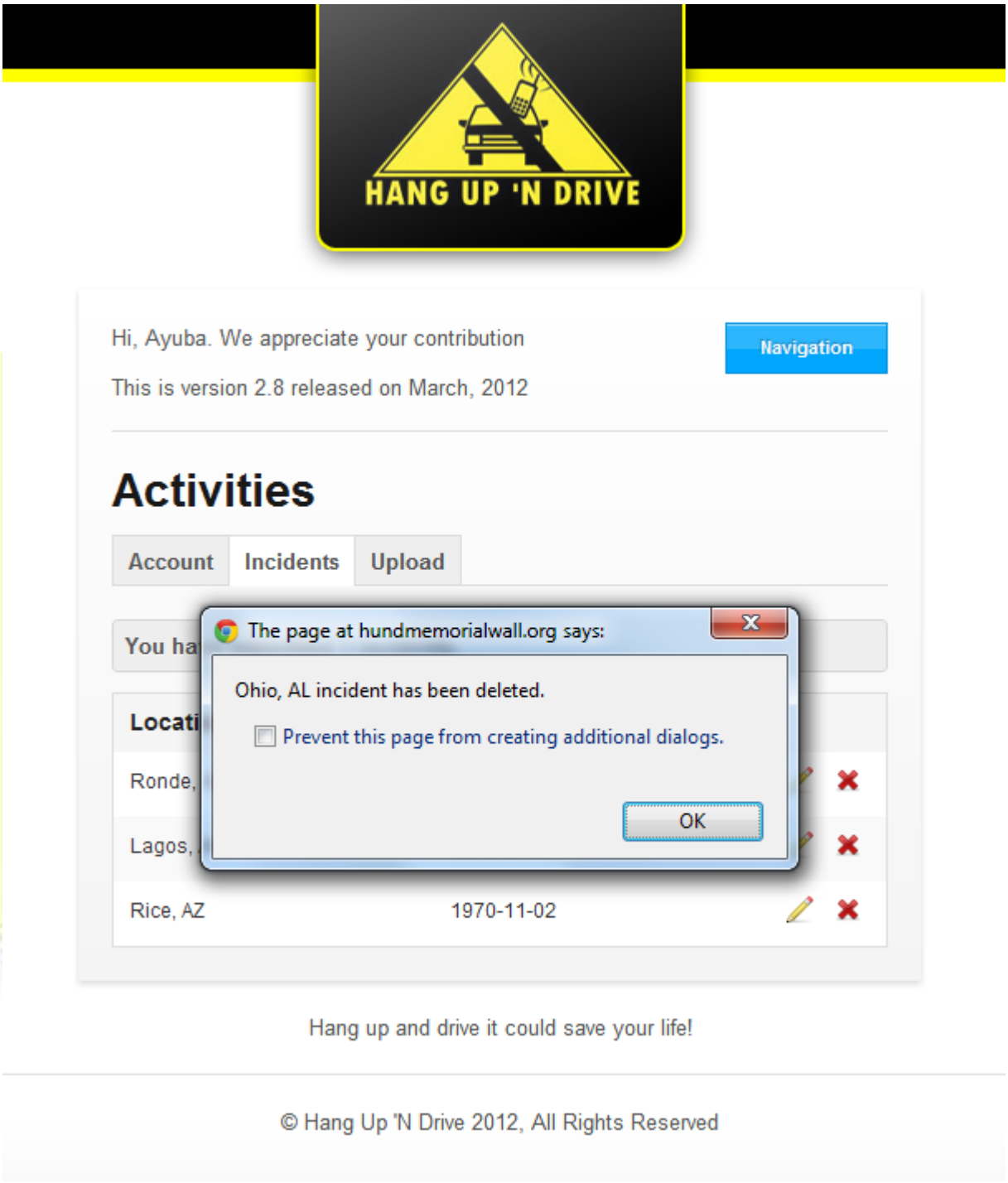


6. Click on the red “X”

7. You will be asked to confirm that you want to delete the incident

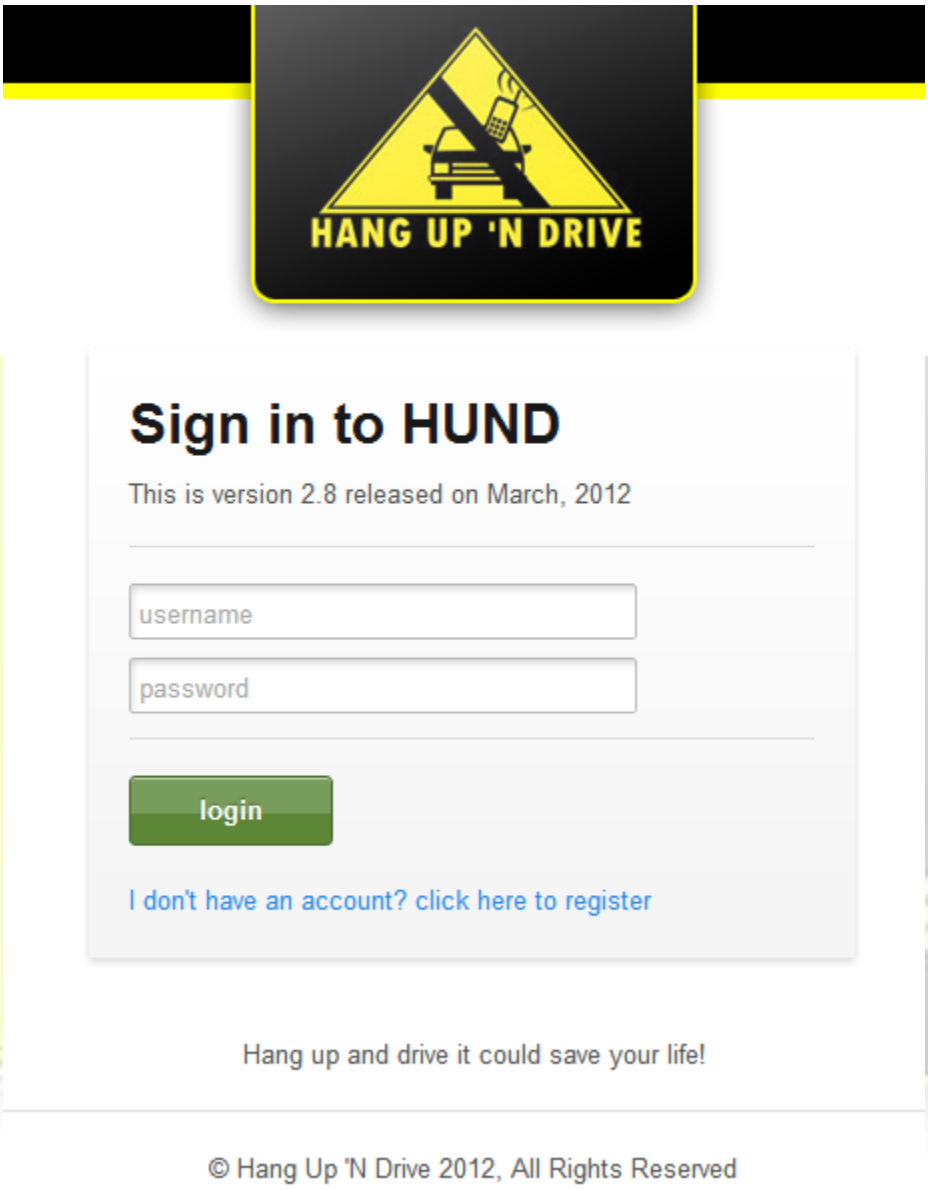


8. A confirmation dialog is displayed once the incident is deleted



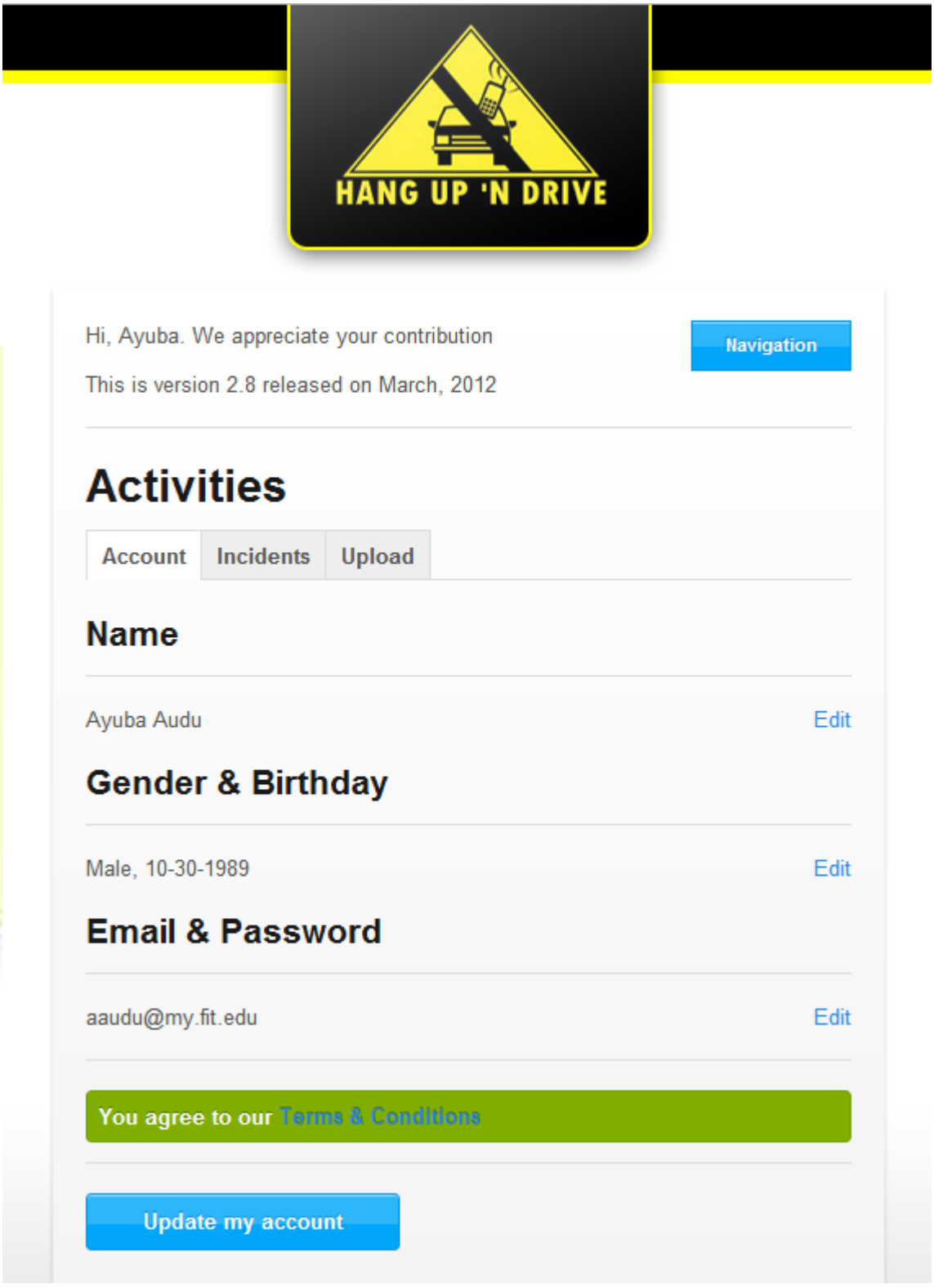
Submitting New Incident

1. Navigate to http://hundmemorialwall.org/login

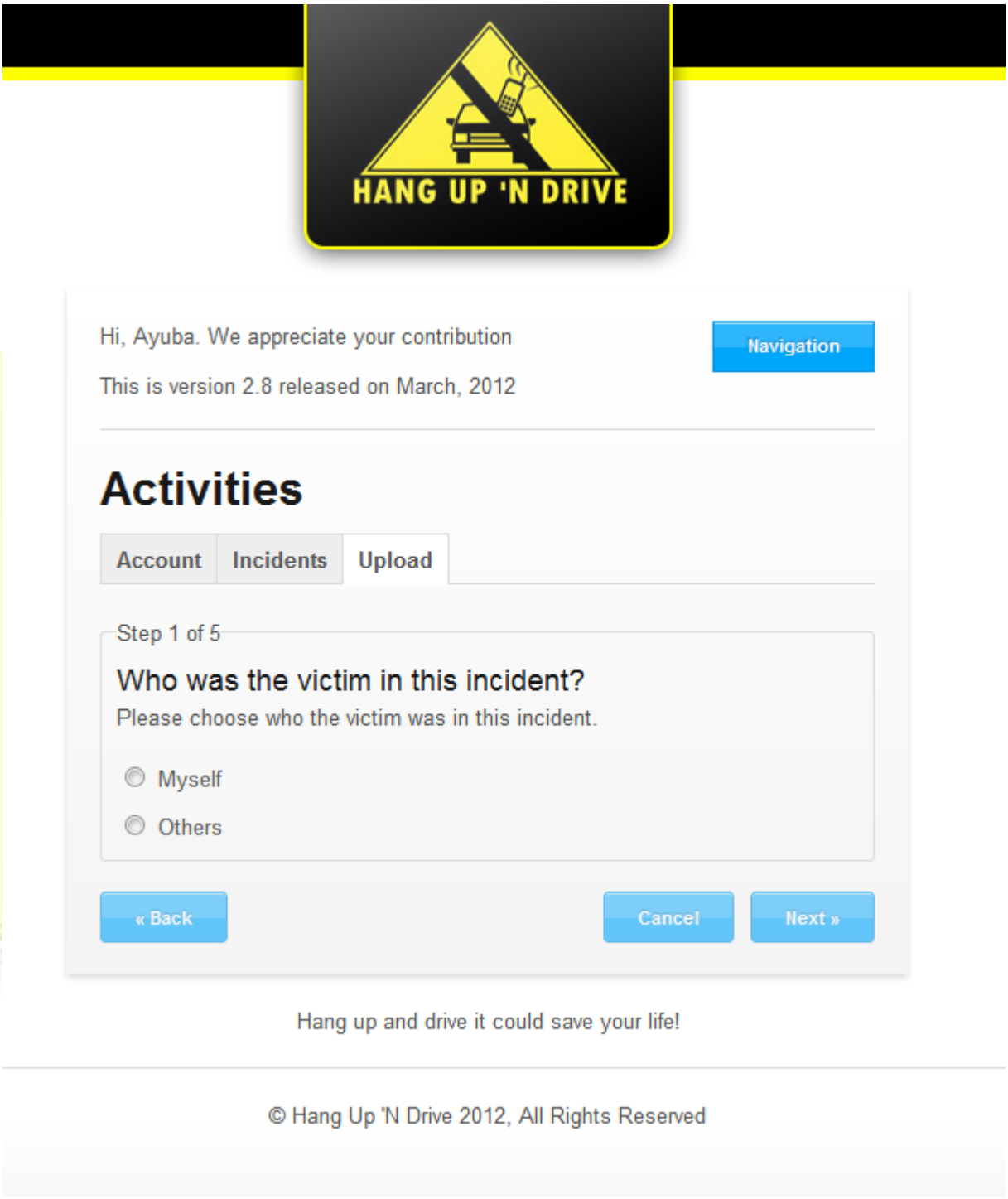

HANG UP 'N DRIVE
Sign in to HUND
This is version 2.8 released on March, 2012
username
password
login
I don't have an account? click here to register
Hang up and drive it could save your life!
© Hang Up 'N Drive 2012, All Rights Reserved

2. Fill out your credentials and hit ”login”

3. You will be redirected to your account



4. Click the tab that says “Upload”



5. Select the relevant option and click next until you reach the last page where you click “submit”

Future

There are some tasks that need to be completed for the next version. They are outlined below

1. **Build out User Management Console for Administrators:** We need to have an interface that allows site administrators to go in and adjust the different details such as role e.g. administrator, contributor just to mention a few or status e.g. disabled, pending that each user on the site is subject to. This also allows us to have a console where a user can easily be disabled for misuse of our site.
2. **Build out Incidents Management Console for Administrators:** We need to have an interface that allows site administrators to go and approve the incidents (stories) that are submitted by the users of our site. This is to ensure that all content submitted is suitable for public viewing. We also need this to allow us perform actions like disabling all content associated with a story or even entire stories for whatever reason.
3. **Build out User Profile:** We need to have an interface for our users where they can view their account information (demographics), view the incidents they have submitted and also submit new incidents.
4. **Complete and Test Upload Features:** We need to ensure that our uploaded and subsequently processed files are being saved to the right directories so that we can easily pull from them, and we also need to check that the majority of devices have no issues running through the same upload queue.

Contact

Developers: Ayuba Audu (aaudu@fit.edu) Abdullah Alsalem (aalsalem@my.fit.edu)

Hang Up ‘N Drive: Dr. Mitchell Greenberg (drg@spinedoc.biz)